



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

April 23, 2021

Mr. John A. Krakuszeski
Site Vice President
Duke Energy Progress, LLC
8470 River Road, SE (M/C BNP001)
Southport, NC 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT – NOTIFICATION OF INSPECTION
AND REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION
AND RESOLUTION INSPECTION

Dear Mr. Krakuszeski:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a Problem Identification and Resolution (PI&R) inspection at Brunswick Steam Electric Plant the weeks of July 12-16, 2021 and July 26-30, 2021. The inspection team will be led by Mr. Chris Safouri, a Resident Inspector. This inspection will be conducted in accordance with the baseline inspection procedure 71152, Problem Identification and Resolution, issued on February 26, 2015.

The biennial PI&R inspection and assessment of the licensee's Corrective Action Program (CAP) complements and expands upon the resident baseline inspections of routine daily screening of all CAP issues, quarterly focused issue reviews, and semiannual trend PI&R reviews.

On April 19, 2021, Mr. Safouri confirmed with Thomas Sherrill, of your staff, tentative arrangements for the two-week onsite inspection.

The enclosure lists documents that will be needed prior to the inspection. Unless otherwise noted, please have the referenced information available no later than June 8, 2021. Contact Mr. Safouri with any questions concerning the requested information. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

If additional documents are needed, they will be requested when identified. Prior to the onsite inspection, Mr. Safouri will further discuss with your staff the following inspection support administrative details: Availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection; method of tracking inspector requests during the inspection; access to licensee computers; working space; arrangements for site access; use of virtual/remote support; and other applicable information.

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Safouri at 404-997-5313.

Sincerely,

/RA/

Stewart N. Bailey, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket No.: 05000324 and 05000325
License No.: DPR-62 and DPR-71

Enclosure:
Information Request Brunswick Steam
Electric Plant, PI&R Inspection

cc: Distribution via ListServ

PAPERWORK REDUCTION ACT STATEMENT

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, control number 3150-0011.

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SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT – NOTIFICATION OF INSPECTION
AND REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION
AND RESOLUTION INSPECTION Dated April 23, 2021

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ADAMS Accession No. ML21113A076

OFFICE	RII:DRP	RII:DRP	RII:DRP	
NAME	C. Safouri	S. Bailey	D. Jackson	
DATE	4/19/2021	4/23/2021	4/19/2021	

OFFICIAL RECORD COPY

**INFORMATION REQUEST FOR BRUNSWICK STEAM ELECTRIC PLANT
PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION
(July 12-16, and July 26-30, 2021)**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since April 1, 2019. Please provide the requested documents in electronic format. If the information is not available in electronic format, please contact the inspection team leader to coordinate other available methods to provide the information.

1. Copies of the corporate and site level procedures and sub-tier procedures associated with the corrective action program. This should include procedures related to:
 - a) Corrective action process
 - b) Cause evaluation
 - c) Operating experience program
 - d) Employee concerns program
 - e) Self-assessment program
 - f) Maintenance rule program and implementing procedures
 - g) Operability determination and functionality assessment process
 - h) Degraded/non-conforming condition process (e.g., RIS 2005-20)
 - i) System health process or equivalent equipment reliability improvement programs
 - j) Preventive maintenance deferral process
 - k) Work requests/orders

If any of the procedures requested above were revised after April 1, 2019, please provide (or have available) copies of all revisions.

2. List of top ten risk-significant systems, top ten risk-significant components for each one of the top ten risk-significant systems, and top ten risk-significant operator manual actions.
Please provide by May 17, 2021.
3. List of all Nuclear Condition Reports (NCRs) initiated including the following information for each NCR:
 - a) NCR number
 - b) Brief, but complete problem description
 - c) Priority or level
 - d) Affected system
 - e) Affected component
 - f) Responsible plant department
 - g) NCR completion status

Provide this list in a format compatible with spreadsheet software (example shown below) and ensure the list is searchable and can be filtered by system.

NCR #	Problem	Priority	System	Component	Org	Status
NCR001	"A" RHR Pump failed flow criteria per SR 5.0.5.4	2	RHR	2-RHR-PMP-A	ENG	Open

Enclosure

4. List of outstanding corrective actions (i.e. Action Requests (ARs)) including the following information for each action:

- a) Corrective action number
- b) Corrective action type (e.g., corrective action to prevent recurrence, enhancement, maintenance rule evaluation, procedure revision request, etc.)
- c) Brief, but complete corrective action description
- d) Associated NCR number
- e) Corrective action initiation date
- f) Number of extensions
- g) Corrective action due date
- h) Completion status

If possible, provide this list in a format compatible with spreadsheet software (example shown below) and ensure the list is searchable and can be filtered by system.

Corrective Action #	Type	Description	NCR	Initiation Date	Extensions	Due Date	Status
AR0034	CAPR	Revise Procedure NGK-003-4585	NCR0058	01/05/14	2	06/15/14	Closed

5. List of control room deficiencies with a brief description and corresponding NCR and/or work order (WO) number.
6. List of operator workarounds and operator burdens with a brief description and corresponding NCR number.
7. List of all currently extended or overdue NCRs, including initiation date, searchable and can be filtered by system, with the following information:
- a) NCR number
 - b) Priority or Significance
 - c) NCR title and short description
8. List of all NCRs that have been voided or cancelled, searchable and filtered by system. Please provide the following information for each NCR:
- a) NCR number
 - b) Brief, but complete problem description
 - c) Reason voided or cancelled
9. List of all structures, systems, and components (SSCs) which were classified as (a)(1) in accordance with the Maintenance Rule since April 2019. Please include the following information for each system in (a)(1):
- a) Date of classification in (a)(1)
 - b) Reason for being placed in (a)(1)
 - c) Planned actions and their status

10. List of Maintenance Preventable Functional Failures of risk-significant systems. Please include actions completed and current status.
11. List of corrective maintenance WOs and modifications for safety-related (SR) structures, systems, and components and any work considered "high risk." Please include the following information for each WO:
- WO number
 - Brief, but complete work description
 - Affected system and components
 - Date of initiation
 - Date of completion (if completed)
 - Associated AR/NCR (if applicable)

If possible, provide this list in a format compatible with spreadsheet software (example shown below)

Work Order #	Description	System	Component	Initiation Date	Due Date	Status
WO01345	Replace breaker 2A-BKR-08-BB4 for 2A SI Pump	SI	2A-SI-PMP, BKR-08-BB4	02/05/15	03/15/15	Closed

12. Corrective action closeout packages, including NCRs with description of corrective actions for all NRC findings and licensee-identified violations. Please include a cross-reference linking NRC finding numbers and LIVs to appropriate NCR numbers.
13. Corrective action closeout packages, including NCRs with description of corrective actions for all licensee event reports (LERs) issued. Please include a cross reference linking LER number to appropriate NCR number.
14. List of all NRC generic communications (e.g., Information Notices, Generic Letters, etc.) and industry operating experience (OE) documents (e.g., Part 21 reports, vendor information letters, information from other sites, etc.) evaluated by the site for applicability to the station, regardless of the determination of applicability. Please include the reference number (e.g., AR/NCR number) for the documents that evaluated the aforementioned OE information.
15. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the corrective action program.
16. Copies of all department self-assessments.
17. Copy of the most recent integrated plant trend report, departmental trend reports, and corrective action trend report, including any human performance and equipment reliability trends.
18. Copy of the latest corrective action program (CAP) statistics (if already complied) such as the number of CRs initiated by department, human performance errors by department, and others as may be available.

19. List of routine meetings involving the CAP (including maintenance rule, operating experience, etc.) to be held during the onsite inspection weeks.
20. List of NCRs related to equipment aging issues in the top ten risk-significant systems since April 2016 (e.g., system erosion and/or corrosion problems; electronic component aging or obsolescence of circuit boards, power supplies, relays, etc.; environmental qualification). Please provide the following information for each NCR:
 - (a) NCR number
 - (b) Priority
 - (c) NCR problem description
21. If performed, please provide any recent self-assessments of the site's safety culture.
22. Copies of CAP documents related to cross-cutting issues (human performance, problem identification and resolution, and safety conscious work environment) identified via trending, self-assessments, safety review committee or other oversight methods.
23. List of all root cause, apparent cause, common cause and related or similar equipment cause evaluations with a brief description.
24. Copy of probabilistic risk assessment importance measures report, if available.
25. System health reports, system design basis documents, maintenance rule functions and status, and system description information upon notification of system selections.